



## DISFIGURE-RESISTANT PLASTIC-STRING MAT

### BACKGROUND OF THE INVENTION

#### 1. Field of the Invention

5 This invention relates to a mat, particularly to a disfigure-resistant mat made of plastic string.

#### 2. Description of the Prior Art

10 Mats are commonly placed at the entrance or the doors of living houses or public buildings, for scraping off dirt, mud or water stuck under shoes by friction between the mats and shoes, so inner floors may not be smeared.

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15 A conventional plastic-string mat 10 is shown in Fig. 1, made of high-molecule plastic elastic slender strings 11 randomly and irregularly interlocking and intercrossing with one another. It has countless gaps 12 formed among them. Therefore, the plastic slender strings 11 may produce friction force to effectively scrape dirt, mud or water adhered on the bottom of shoes worn by people, and dirt, mud or water may drop down through the gaps 12 among the plastic strings 11 to the ground where the mat is placed. Then the upper surface of the mat 10 does not have dirt, mud or water remained thereon. Thus the surface of a mat is not liable to be smeared, kept always clean dry so that it may be serviceable for a long term, 20 durable in any kind of climate, and with frequent use.

25 However, as the conventional plastic-string mat is made of plastic, which is generally contractible, it may shrink to smaller size than its normal one and does not cover the area it needs to. Further, the interlocking and intercrossing plastic strings may produce looseness and elasticity to lower is counter tension force, and once the plastic strings 11 are pulled with a force sufficient to snap, it is not suitable for washing in a washing machine, but has to washed manually and carefully.